

WHAT IS CLAIMED IS:

1 *CS* 1. A method for logging event data from at least one
 2 operable application program or at least one peripheral device operably
 3 connected to a server using a log manager device driver, said method
 4 comprising the steps of:
 5 registering said log manager device driver with said server to
 6 receive all incoming event data;
 7 registering said log manager device driver with said server as a
 8 device driver for said log manager file;
 9 receiving said event data by said log manager device driver; and,
 10 responding to a download request for said log manager file from
 11 a requesting computer by said log manager device driver.

1 2. The method according to claim 1 wherein prior to said
 2 receiving step further comprising the steps of:
 3 waiting for event data from said at least one application program
 4 or said at least one peripheral device by said log manager device driver; and,
 5 sending event data to said log manager device driver by said at
 6 least one application program or said at least one peripheral device.

1 3. The method according to claim 1 wherein prior to said
 2 receiving step, said method further comprising the step of saving said event
 3 data in an event queue by said log manager device driver.

1 4. The method according to claim 3 wherein prior to said
 2 saving step further comprising the steps of:

3 determining whether said event queue is full by said log manager
 4 device driver; and,
 5 deleting an oldest event data from said event queue to make
 6 available space for new event data when said event queue is full by said log
 7 manager device driver.

1 5. The method according to claim 1 wherein said responding
 2 step, said method further comprising the step of:
 3 sending a download request for said log manager file to said
 4 server by said requesting computer;
 5 determining whether said server received said download request
 6 by said requesting computer;
 7 returning an error message if said server did not receive said
 8 download request by said requesting computer; and,
 9 opening said log manager file from said log manager device
 10 driver if said server received said download request by said server.

1 6. The method according to claim 5 wherein said returning
 2 step further comprising the step of displaying said error message to the user of
 3 said requesting computer by said requesting computer.

1 7. The method according to claim 5 wherein said opening
 2 step further comprising the steps of:
 3 determining, by said server, whether said log manager file was
 4 successfully opened from said log manager device driver;
 5 returning an error message to said requesting computer when said
 6 log manager file was not successfully opened by said server; and,

7 reading said event data stored in said event queue when said log
8 manager file was successfully opened by said server.

1 8. The method according to claim 7 wherein said returning
2 an error message step further comprising the step of displaying said error
3 message to the user of said requesting computer by said requesting computer.

1 9. The method according to claim 7 wherein said reading
2 step further comprising the steps of:

3 determining whether said event data are available from said event
4 queue by said server;

5 blocking until said event data are available when said event data
6 are not available by said server;

7 returning said event data to server when said event data is
8 available by said log manager device driver.

1 10. The method according to claim 9 wherein said blocking
2 step further comprising the steps of:

3 waiting for said event data from said at least one application
4 program or said at least one peripheral device by said log manager device
5 driver;

6 sending said event data to said log manager device driver by said
7 application program or said peripheral device;

8 receiving said event data by said log manager device driver; and,
9 saving said event data in said event queue by said log manager
10 device driver.

1 11. The method according to claim 10 wherein prior to said
 2 saving step, said method further comprising the steps of:
 3 determining whether said event queue is full by said log manager
 4 device driver; and,
 5 deleting an oldest event data from said event queue to make
 6 available space for a new event data when said queue is full by said log
 7 manager device driver.

1 12. The method according to claim 9 wherein said returning
 2 event data step further comprising the steps of:
 3 receiving said event data from log manager device driver by said
 4 server;
 5 sending said event data to requesting computer by said server;
 6 and,
 7 receiving said event data from server by said requesting
 8 computer.

1 13. The method according to claim 12 further comprising the
 2 steps of displaying said event data to an user by said requesting computer.

1 14. The method according to claim 12 further comprising the
 2 steps of:
 3 determining whether said requesting computer wants to continue
 4 downloading said log manager file by said server;
 5 waiting for more event data from said server when said
 6 requesting computer wants to continue downloading said log manager file by
 7 said requesting computer; and,

8 terminating the connection to said server when said requesting
9 computer does not want to continue downloading said log manager file by said
10 requesting computer.

1 15. The method according to claim 14 wherein said
2 terminating step further comprising the steps of:
3 closing said log manager file by said server; and,
4 terminating the connection to said requesting computer by said
5 server.

1 16. A system for logging event data from at least one operable
2 application program or at least one peripheral device operably connected to a
3 server using a log manager device driver, comprising:
4 means for registering with said server to receive all incoming
5 event data;
6 means for registering said with said server as a device driver for
7 said log manager file;
8 means for receiving said event data; and,
9 means for responding to a download request for said log manager
10 file from a requesting computer.

1 17. A log manager device driver for logging event data from
2 at least one operable application program or at least one peripheral device
3 operably connected to a server, comprising:
4 means for registering with said server to receive all incoming
5 event data;

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